

AMENDMENTS TO THE CLAIMS

Claim 1 (currently amended): A soft magnetic material comprising:

a metal magnetic powder, said metal magnetic powder being formed of particles,

wherein:

said soft magnetic material is iron powder,

each particle forming the powder is a collection of multiple crystal grains having an average size of between 10 and 20 microns, and

each crystal grain includes multiple crystals having an average size, as determined by x-ray diffraction, of at least 30 nm.

Claim 2 (cancelled).

Claim 3 (previously presented): A soft magnetic material as described in claim 1, further comprising a plurality of compound magnetic particles including said metal magnetic particles and an insulative film surrounding a surface of said metal magnetic particles.

Claim 4 (original): A soft magnetic material as described in claim 3, further comprising an organic matter bonding said plurality of compound magnetic particles to each other.

Claim 5 (previously presented): A powder magnetic core made using a soft magnetic material as described in claim 1.

Claim 6 (cancelled).

Claim 7 (cancelled).

Claim 8 (previously presented): A soft magnetic material as described in claim 1, wherein said metal magnetic particles have an average crystal size of 80 nm.

Claim 9 (cancelled).

Claim 10 (cancelled).

Claim 11 (previously presented): A soft magnetic material as described in claim 3, wherein said insulative film surrounding a surface of said metal magnetic particles is between 0.005 and no more than 20 microns.

Claim 12 (previously presented): A soft magnetic material as described in claim 1, wherein said average crystal size is between 60 and 110 nm.

Claim 13 (cancelled).